



## SEQUENCE LISTING

<110> Marasco, Wayne  
Makar, Abner

<120> INTRABODY-MEDIATED CONTROL OF IMMUNE REACTIONS

<130> 700157-47577C

<140> 09/522,727

<141> 2000-03-10

<150> PCT/US98/19563

<151> 1998-09-18

<150> 60/059,339

<151> 1997-09-18

<160> 55

<170> PatentIn version 3.0

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 Val Leu Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg  
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 cct ggg gct tca gtg aag ttg tcc tgc aag gct tct ggc tac acc ttt 144  
 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
 35 40 45  
 act agt cac tgg atg cag tgg gtg aga cag agg cct gga cag ggt ctg 192  
 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
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 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
 65 70 75 80  
 cag aat ttc aag ggc aag gcc aca ttg act gca gat aag tcc tcc acc 288  
 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
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 aca gcc tac tta cac ctc agc agc ttg tca tct gaa gac tct gcg gtc 336  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
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 tat tat tgt gca aga gat gag att act acg gtt gta ccc cgg ggg ttt 384  
 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
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 gct tac tgg ggc caa ggg acc tcg gtc acc gtc tcc tca ggt ggc ggt 432  
 Ala Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
 ggc tcg ggc ggt ggt ggc tcg ggt ggc ggc gga tct gag ctc gtg ctc 480  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
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 acc caa acc cca acc tcc ctg gct ncc tct ctg gga gac aga gtc acc 528

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 Gln Gln Lys Pro Asp Gly Thr Ile Lys Leu Leu Ile Tyr Tyr Thr Ser  
 195 200 205  
 aga tta tat tca gga gtc cca cca agg ttc agt ggc agt ggg gct gga 672  
 Arg Leu Tyr Ser Gly Val Pro Pro Arg Phe Ser Gly Ser Gly Ala Gly  
 210 215 220  
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 Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln Glu Asp Phe Ala  
 225 230 235 240  
 act tac ttt tgc caa cag ggt aat gtg att ccg tac acg ttc gga ggg 768  
 Thr Tyr Phe Cys Gln Gln Gly Asn Val Ile Pro Tyr Thr Phe Gly Gly  
 245 250 255  
 ggg acc aag ctg gaa atg aaa cgg gct gat gct gca cca act gta agc 816  
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 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
 35 40 45  
 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
 50 55 60  
 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
 65 70 75 80  
 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
 85 90 95  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val

Dry  
 cut  
 El  
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100 105 110  
 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
 115 120 125  
 Ala Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
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 145 150 155 160  
 Thr Gln Thr Pro Thr Ser Leu Ala Xaa Ser Leu Gly Asp Arg Val Thr  
 165 170 175  
 Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Ser Tyr Leu Asn Trp Tyr  
 180 185 190  
 Gln Gln Lys Pro Asp Gly Thr Ile Lys Leu Leu Ile Tyr Tyr Thr Ser  
 195 200 205  
 Arg Leu Tyr Ser Gly Val Pro Pro Arg Phe Ser Gly Ser Gly Ala Gly  
 210 215 220  
 Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln Glu Asp Phe Ala  
 225 230 235 240  
 Thr Tyr Phe Cys Gln Gln Gly Asn Val Ile Pro Tyr Thr Phe Gly Gly  
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 Val Leu Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Thr Arg  
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 cct ggg gct tca gtg aag ttg tcc tgc aag gct tct ggc tac acc ttt 144  
 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
 35 40 45  
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 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
 50 55 60

gaa tgg att ggg act att tat cct gga gat ggt gat act agg tac act 240  
 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
 65 70 75 80  
 cag aat ttc aag ggc aag gcc aca ttg act gca gat aag tcc tcc acc 288  
 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
 85 90 95  
 aca gcc tac tta cac ctc agc agc ttg tca tct gaa gac tct gcg gtc 336  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
 100 105 110  
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 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
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 gct tac tgg ggc caa ggg acc ttg gtc acc gtc tcc tca ggt ggc ggt 432  
 Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
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 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
 145 150 155 160  
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 Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly Asp Thr Ile Thr  
 165 170 175  
 atc act tgc cat gcc agt cag aac att aat gtt tgg tta agt tgg tac 576  
 Ile Thr Cys His Ala Ser Gln Asn Ile Asn Val Trp Leu Ser Trp Tyr  
 180 185 190  
 cag cag aaa cca gga aat att cct caa cta ttg atc tat aag gct tcc 624  
 Gln Gln Lys Pro Gly Asn Ile Pro Gln Leu Leu Ile Tyr Lys Ala Ser  
 195 200 205  
 aac ttg cac aca ggc gtc cca tca agg ttt agt ggc cgt gga tct gga 672  
 Asn Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly Arg Gly Ser Gly  
 210 215 220  
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 Thr Gly Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Gly  
 225 230 235 240  
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 Thr Tyr Tyr Cys Gln Gln Gly Gln Ser Tyr Pro Leu Thr Phe Gly Gly  
 245 250 255  
 ggc acc aag ctg gaa atc aaa cgg gct gat gct gca cca act gta agc 816  
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Pro Gly Ala Ser Val Leu Leu Ser Cys Leu Ala Ser Gly Tyr Thr Phe  
 35 40 45  
 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
 50 55 60  
 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
 65 70 75 80  
 Gln Asn Phe Leu Gly Leu Ala Thr Leu Thr Ala Asp Leu Ser Ser Thr  
 85 90 95  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
 100 105 110  
 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
 115 120 125  
 Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
 145 150 155 160  
 Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly Asp Thr Ile Thr  
 165 170 175  
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 Gln Gln Leu Pro Gly Asn Ile Pro Gln Leu Leu Ile Tyr Leu Ala Ser  
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 Asn Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly Arg Gly Ser Gly  
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 Thr Gly Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Gly  
 225 230 235 240  
 Thr Tyr Tyr Cys Gln Gln Gly Gln Ser Tyr Pro Leu Thr Phe Gly Gly  
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